Work Order ID 64152 Page 1 Thursday, November 25, 2010 4:00:08 PM D4298-017 Item ID: Accept Setup Start **Revision ID: PRELIM** Stop Clip Stop Mount Item Name: Start Qty: 2.00 **Start Date:** 11/25/2010 **Cust Item ID:** Required Date: 12/3/2010 Req'd Qty: 2.00 **Customer:** Reference: Run Start Date: 10-11-26 Tooling: Approvals: Date: Stop QC: Date: **SPC (Y/N):** Date: Sequence ID/ Tool ID Operation Set Up/ Tool # Plan Reject Reject Accept Insp. Work Center ID Description Code Qty Qty Number Stamp **Run Hours Revision Nbr** Draw Nbr D4298 PAT Rus A 100 0.00 FLOW WATER JET B10-11-24 0.00 Waterjet Memo FLOW CNC Waterjet 1-Cut as per Dwg Dwg Rev: DA Prog Rev: 2-Deburr if necessary (3) 110 QC2- Inspect parts off machine FAI/FAIB 0.00 1B14-11- 29 0.00 QC Memo Quality Control 120 QC8- Inspect parts - second check Memo Quality Control

Dart	Aer	ospa	ce Ltd
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W/O:		WORK ORDER CH	WORK ORDER CHANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No:		PAR #:	Fault Category:	NCR: Yes No DQA:	Date:	
	Resolution:		Disposition:	QA: N/C Closed:	Date:	

NCR:			WORK ORDER NON-CONFORMANCE (NCR)							
	DATE STEP	Description of NC		Corrective Action Section B		Verification	Approval	Approval		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector		
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Work Orde Thursday, Nover		1 52 0 4:00:08 PM										Page	2
Item ID:	D4298-017			Accept				s s	Setup	Start			
Revision ID: Item Name:	PRELIM Clip Stop Mou	int			÷					Stop			
Start Date: Required Date: Reference:	11/25/2010 12/3/2010	Start Qty: 2.00 Req'd Qty: 2.00	(11114 114 114 114) 11114 115 116 116		Cust Item ID Customer:	:							
Approvals:	Process Pla	n:	Date:	Tooling:	Date	e:		F	Run	Start			
		·	Date:	SPC (Y/N):	Date	e:				Stop			ļ ļ
Sequence ID/ Work Center II)	Operation Description		Set Up/ Run Hours	Tool ID		Plan Code	Accept Qty	Rejo Qty		Reject Number	Insp. Stamp	_
130 Brake NC Brake NC		Bend as per dwg Memo		0.00	5 10/12/02			3	_		·,		_
140 		QC6- Inspect dimensions Memo	to drawing		es to Eca -017		-						_

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HandFinish

Quality Control

Hand Finishing

Chemical Conversion Coat per QSI005 4.1

Memo

0.00

Dart Aerospace Ltd

W/O:		······································	W	ORK ORDER CHANG	FS				, ,
DATE	STEP	PRO	WORK ORDER CHANGES PROCEDURE CHANGE By Date Qty Chief Eng Prod Mgr						Approval QC inspector
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Part No	•	PAR #:	Fault Cate	egory:	NCR: Yes	No DQ	A:	Date: _	
	Re	esolution:	Disposition	on:	_ QA: N/C C	losed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCF	R)			
DATE	STEP	Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		ion C	Chief Eng	QC Inspector
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Packaging

Packaging

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Identify as per dwg & Stock Location:

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Dart Aerospace Ltd

W/O:			W	ORK ORDER CHANGES					٠,
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		esolution:							
NCR:			WORK ORD	ER NON-CONFORMAN	CE (NCI	₹)			
DATE	STEP	Description of NC		Corrective Action Section B		Verifi	cation	Approval	Approval
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Work Ord Thursday, Nove												Page 4
Item ID: Revision ID:	D4298-017 PRELIM			Accept					Setu	p Star		
Item Name:	Clip Stop Mor	ınt								Stop)	
Start Date: Required Date	11/25/2010 : 12/3/2010	Start Qty: 2.00 Req'd Qty: 2.00			Cust Item I Customer:							
Reference:									_	Q.		#### ### #############################
Approvals:	Process Pla	n:	Date:	Tooling:	D	ate:			Run			
	QC:		Date:	SPC (Y/N):	D	ate:				Stop		
Sequence ID/ Work Center I	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Acce Qty	_	Reject Oty	Reject Number	Insp. Stamp

MF -13

POSITIVE RECALL

0.00

0.00

QC21- Final Inspection - Work Order Release

Memo

180

QC

Quality Control

EFFECTIVE 10.11.29 AUTH

Qty 2.

PU

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No):	PAR #: Fault Category: NO	R: Ye:	NO DQ	A:		0-(2-17_

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		W	ORK OR	DER NON-CONFORMANC	E (NCR)			
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
10:12:17	lw	FRA RWC FIRST pattern revised to sold hole spacing dimensions. R.C. 3rd party clusion.	Desiun	ppr+s me bent à only the 0.13 dims can be checked. Per Assigner dims se gend	NIA	10.11.12	bswn	1012.17
			-					

Picklist Print

Thursday, November 25, 2010 4:00:13 PM

Work Order ID: 64152

Parent Item:

D4298-017

Parent Item Name: Clip Stop Mount



Star: Date: 11/25/2010

Required Late: 12/3/2010

Page 1

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP rev:A 10.11.24 new issue DD Verf:EC

Component Item ID/. Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6S.063	 	Purchased	No			100	sf	41.2340	0.004	0.008421			
6061-T6 .063 Sheet		III									710-11-5	P(
				Location		Loc (<u>Otv</u>	Loc Code				(2)	
				MAT21		41	.234					(3)	
				1	13608	41.	.234			113608			

Dart Aerospace

W/O:		WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
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Part No:		PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
	Resolution:		Disposition:	QA: N/C Closed	•	Date:

NCR:			WORK ORDI	ER NON-CONFORMANC	E (NCR)			
		Description of NC		Corrective Action Section B	Verification	Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC Inspector
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DART AEROSPACE LTD	Work Order: 64152	<u> </u>
Description: Clip Stop Mount	Part Number: DD98-17	
Inspection Dwg: D4348-17, Rev: PA1	Page 1 of	1

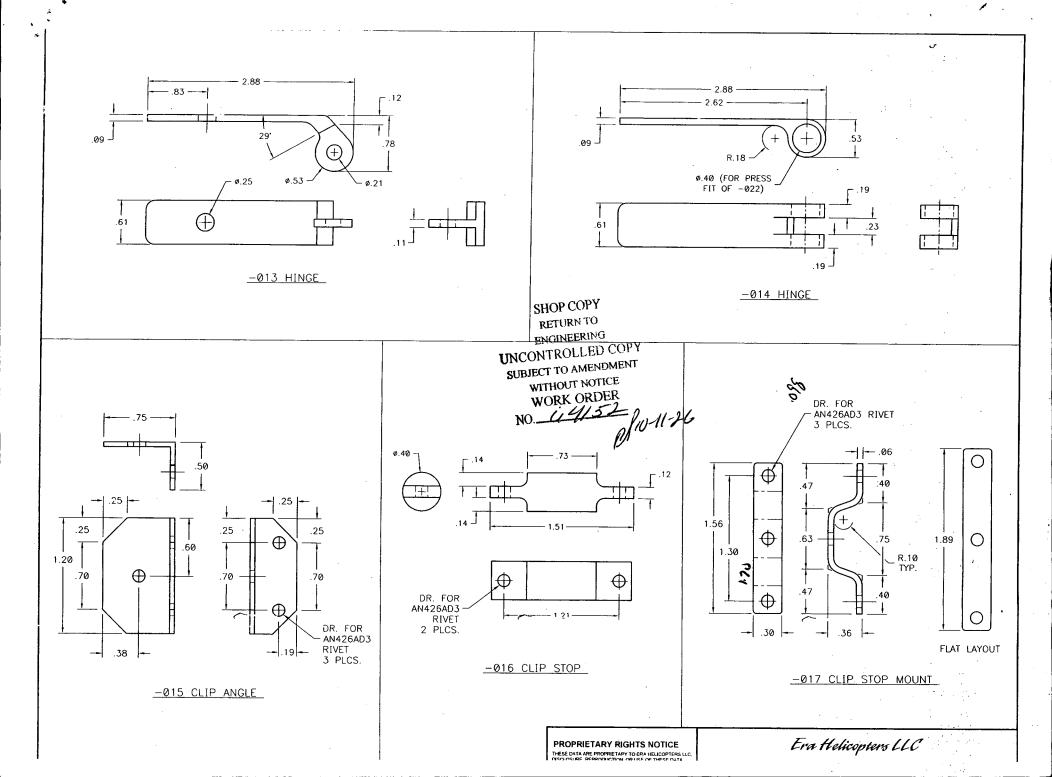
FIRST ARTICLE INSPECTION CHECKLIST

X First Article X Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Rejest	Method of Inspection	Comments
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0.13	t_ 0.050	0.13				JU-US EKA ROUC
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Measured by:	Audited by:	Prototype Approval:	
Date: 10-11-09	Date: 10/4/29	Date:	

Rev	Date	Change	Revised by	Approved
Δ	Buto	New Issue	KJ/JLM	

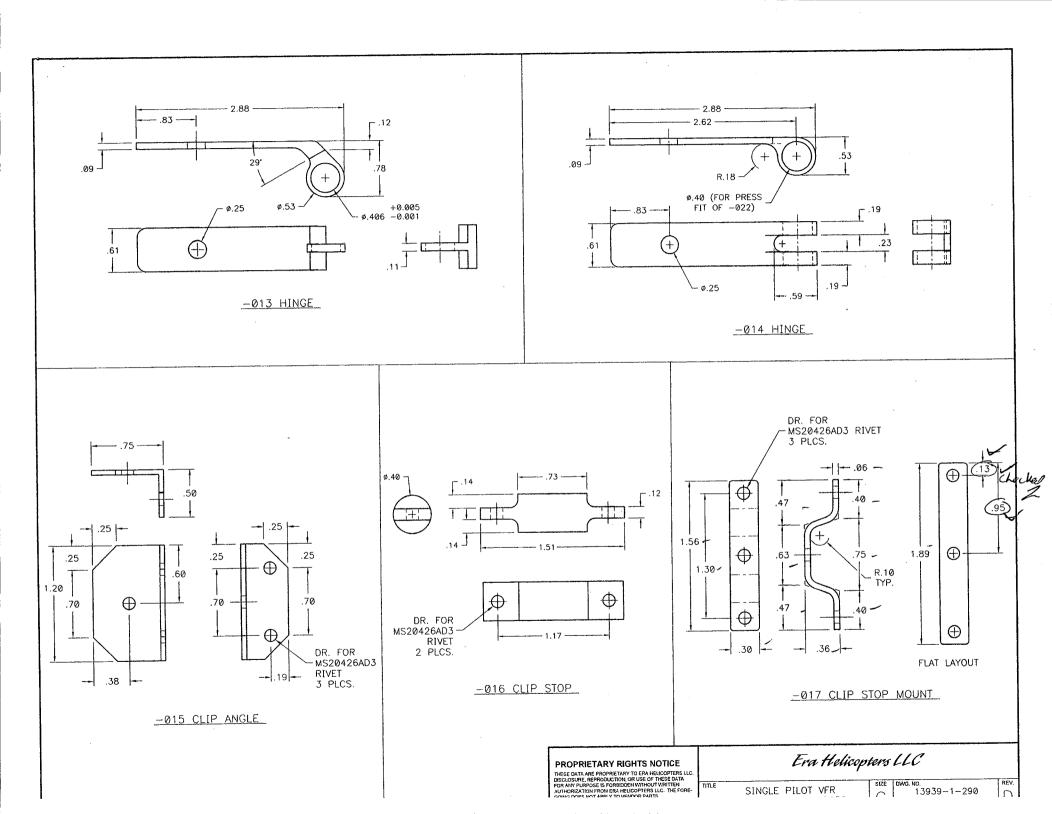


DART P/N	ERA P/N	Description
D4298-001	13939-1-290-001	CHART HOLDER ASSY
D4298-002	13939-1-290-002	PLATE SUB-ASSY
D4298-003	13939-1-290-003	PLATE SUB-ASSY
D4298-004	13939-1-290-004	FIXING BRACKET SUB-ASSY
D4298-005	13939-1-290-005	HINGE SUB-ASSY
D4298-006	13939-1-290-006	MACHINED INNER SUB-ASSY
D4298-007	13939-1-290-007	MACHINED OUTER SUB-ASSY
D4298-008	13939-1-290-008	PLATE
D4298-009	13939-1-290-009	PLATE
D4298-010	13939-1-290-010	FIXING BRACKET
D4298-011	13939-1-290-011	HINGE
D4298-012	13939-1-290-012	HINGE
D4298-013	13939-1-290-013	HINGE
D4298-014	13939-1-290-014	HINGE
D4298-015	13939-1-290-015	CLIP ANGLE
D4298-016	13939-1-290-016	CLIP STOP
D4298-017	13939-1-290-017	CLIP STOP MOUNT
D4298-018	13939-1-290-018	MACHINED INNER
D4298-019	13939-1-290-019	MACHINED OUTER
D4298-020	13939-1-290-020	KNOB
D4298-021	13939-1-290-021	MACHINE BOLT
D4298-022	13939-1-290-022	PIN TOPPER
D4298-023	13939-1-290-023	PIN
D4298-024	13939-1-290-024	SERRATED ADJUSTMENT WASHER



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REV.	REV. C			DESCRIPTION		DATE		
DESIGN SC			C	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA				
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CHECKE	D	W)	DRAWING NO.		REV. A		
MFG. AF	PR.	Ken	<	D4298		SHEET 1 OF 1		
APPRO\	/ED	JW.)	TITLE		SCALE		
DE APPI	₹.		7-	CHART HOLDER (AW 139)		NTS		
DATE 10.12.15				COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND COMPENSENTAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICACED TO ANY OTHER PERSON WITHOUT				

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Eric Charbonneau

From:

Domingue, Elvin [edomingue@erahelicopters.com]

Sent:

November 24, 2010 1:48 PM

To:

Nelson, David; 'echarbonneau@dartaero.com'

Subject:

Re: DXF files (AW139 Chart Holder)

Yes that would be perfect!

Elvin Domingue

Sent from my BlackBerry Wireless Device

From: Nelson, David

To: 'Eric Charbonneau' <echarbonneau@dartaero.com>

Cc: Domingue, Elvin

Sent: Wed Nov 24 12:37:04 2010

Subject: RE: DXF files (AW139 Chart Holder)

Eric,

That sounds okay to me, but I'll fwd to Elvin Domingue on this.

Elvin, does this finish sound okay for the AW139 Chart Holder?

Thanks, David

From: Eric Charbonneau [mailto:echarbonneau@dartaero.com]

Sent: Wednesday, November 24, 2010 12:10 PM

To: Nelson, David Subject: RE: DXF files

Thanks David, at the same time would you know what kind of finish is required on the assembly, most of our interior parts we alodine and then powder coat black sandtex, this black is satin and prevent any glare. If this is what you would like please let me know, or fwd this to whoever can help me out with this.

Thank, Eric

From: Nelson, David [mailto:dnelson@erahelicopters.com]

Sent: November 24, 2010 11:53 AM

To: 'Eric Charbonneau' **Subject:** RE: DXF files

Here you go.

Thanks, David

From: Eric Charbonneau [mailto:echarbonneau@dartaero.com]

Sent: Wednesday, November 24, 2010 10:11 AM